

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 301 AND ACTON LANE IN CHARLES COUNTY. US 301 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

THE PROJECT IS NECESSITATED BY WIDENING ON THE WEST APPROACH OF ACTON LANE. SIGNALIZATION WORK WILL CONSIST OF THE INSTALLATION OF NEW CONDUIT, WIRING AND DETECTION, AND SIGNAL HEAD AND SIGN RELOCATION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

SPECIAL NOTES

1) NO EQUIPMENT WILL BE SUPPLIED BY THE SHA ON THIS PROJECT

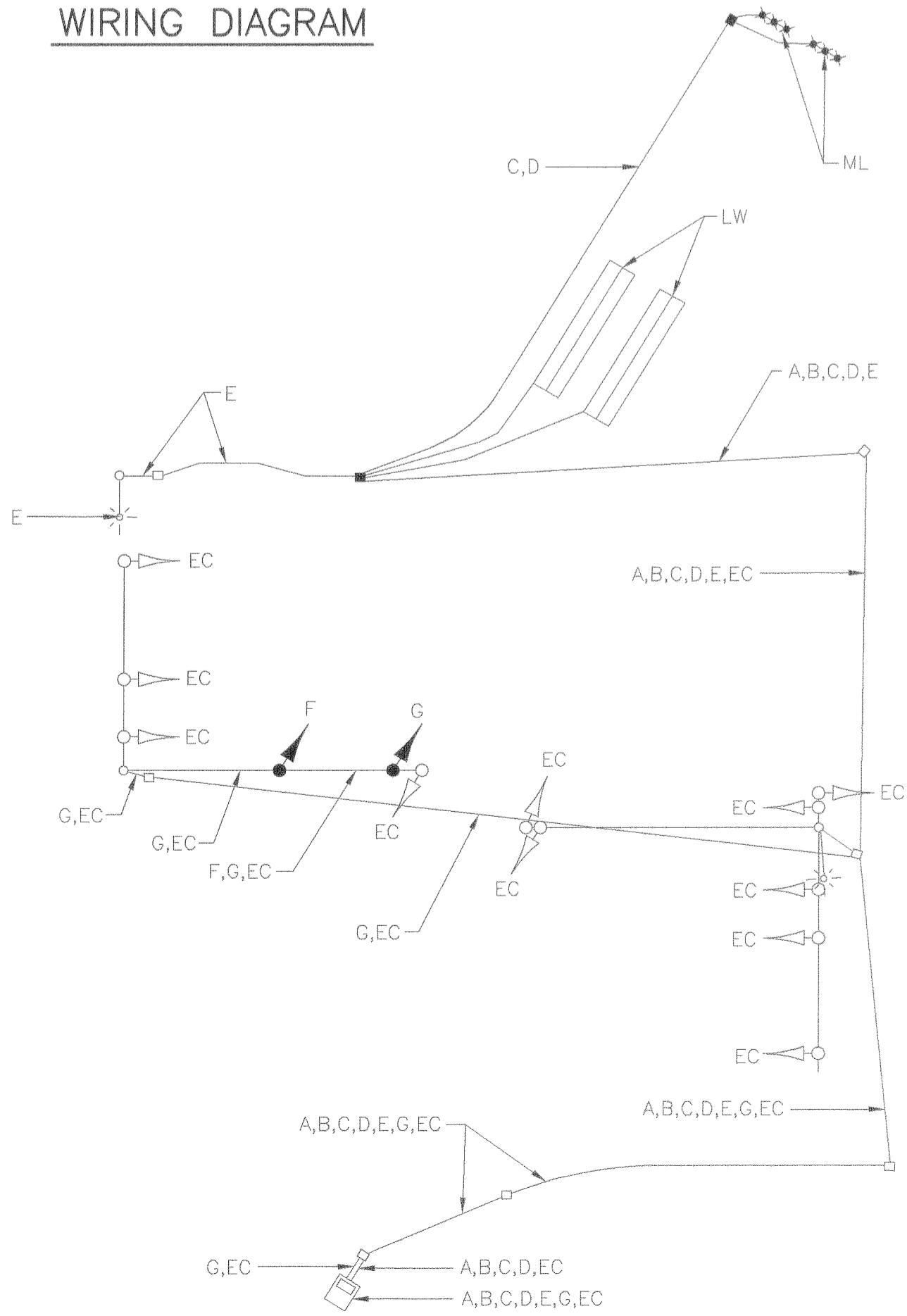
EQUIPMENT LIST

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
5004	25 L.F.	24 IN. WHITE THERMOPLASTIC PAVEMENT MARKING TAPE
8017	2 EACH	FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 1000 FT. LEAD-IN
8021	290 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8022	50 L.F.	FURNISH AND INSTALL 1 IN. ELECTRICAL CONDUIT - GALVANIZED SLEEVE
8023	10 L.F.	FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT - DETECTOR SLEEVE
8024	125 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8028	110 L.F.	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
8033	2 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8040	1000 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
8041	850 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR ALUMINUM SHIELDED (NO. 14 A.W.G.)
8044	30 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5-CONDUCTOR (NO. 14 A.W.G.)
8045	470 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7-CONDUCTOR (NO. 14 A.W.G.)
8046	540 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2-CONDUCTOR (NO. 12 A.W.G.)
---	2 EACH	RELOCATE EXISTING SIGNAL HEAD
---	2 EACH	RELOCATE EXISTING OVERHEAD SIGN

NOTE: ITEM NUMBERS CORRESPOND TO MSHA AREAWIDE CONTRACT

WIRING DIAGRAM



WIRING KEY

- A-B } 2-CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED) NO. 14 A.W.G.
- C-D } MICRO-LOOP PROBE LEAD-IN
- E } 2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.)
- F } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- G } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- LW } LOOP WIRE (NO. 14 A.W.G.)
- ML } MICRO-LOOP PROBE
- EC } EXISTING CABLE


PHASE CHART

INTERSECTION PHASING WILL REMAIN THE SAME

TRAFFIC CONCEPTS, INC.

Brightview Business Center
8258 Veterans Highway
Suite 19B
Millersville, MD 21108
(410) 987-0427

REVISIONS	APPROVALS
	ASSISTANT DIVISION CHIEF
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENG. DESIGN DIV.
	DIR., OFFICE OF TRAFFIC & SAFETY

 MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION SHEET US 301 AND ACTON LANE			
DATE: 7-7-98	DRAWN BY: T. ZAYDEL	F.A.P. NO.	PLAN
SCALE: NONE	DESIGNED BY: T. ZAYDEL	S.H.A. NO.	SHEET NO.:
APPROVED BY: [Signature]	CHECKED BY: K. SCHMID	COUNTY: CHARLES	TS-1825DGI 2 OF 2